



INTRODUCTION:

This publication constitutes a Broad Agency Announcement (BAA) as contemplated in Federal Acquisition Regulation (FAR) 6.102(d)(2). A formal Request for Proposals (RFP), solicitation, and/or additional information regarding this Announcement will not be issued.

The Office of Naval Research (ONR) will not issue paper copies of this Announcement. The ONR reserves the right to select and fund for award: all, some or none of the proposals in response to this Announcement. ONR provides no funding for direct reimbursement of proposal development costs. Technical and cost proposals (or any other material) submitted in response to this BAA will not be returned. It is the policy of ONR to treat all proposals as sensitive competitive information and to disclose their contents only for the purposes of evaluation.

Awards may take the form of contracts, grants, Cooperative Agreements (CAs), or Other Transactions (OTs) Agreements. Therefore, all proposals submitted as a result of this Announcement may fall under the purview of either the Federal Acquisition Regulations (FAR) or the Department of Defense Grant and Agreement Regulations (DODGARS).

I. GENERAL INFORMATION

1. Agency Name -

Office of Naval Research,
Ballston Centre, Tower One
800 N. Quincy Street
Arlington, VA 22217-5660

2. Research Opportunity Title -

High Capacity At-Sea Transfer of Materials, Personnel, and Equipment

3. Program Name -

Expeditionary Logistics (ExLog) Future Naval Capability (FNC)

4. Research Opportunity Number –

ONR BAA 04-006

5. Response Date –

Proposals under this Announcement must be submitted by 1500 (Eastern Standard Time) on 9 JAN 2004. ONR encourages potential Offerors to periodically check the ONR and FedBizOpps websites for official Amendments to this Announcement prior to submittal.

6. Research Opportunity Description -

The overall mission and goal of the Expeditionary Logistics Future Naval Capability program (ExLog FNC) is to identify those mature and evolving logistics technologies that, through focused investment, guidance and management, can be demonstrated to provide the required enabling capabilities. These capabilities will subsequently be available to the warfighter through a systematic transition to the acquisition process. The products of the ExLog FNC must be capabilities that are ready for transition to the acquisition community. In particular, the ExLog FNC intends to make a major impact on high capacity at-sea transfer which is identified as High Capacity Alongside Sea Base Sustainment (HiCASS) under this Announcement. HiCASS is intended to offer new approaches for fuel, cargo, vehicle and personnel transfer in a sea way while underway. It is intended to address both transfer between two large vessels and transfer from a large vessel to a small vessel.

It is expected that team efforts will be required to develop innovative and integrated technology solution for a HiCASS capability. Such a technology solution must build on existing naval systems and would likely include some combination of the following technologies:

- *Real-time tracking/sensing of own ship/platform motions and those of the other ship/platform involved in the at-sea material transfer*
- *Relative Motion Mitigation or Compensation*
- *Sensing of wave environment to enable predictive control*
- *Motion compensating transfer systems capable of the precision required*
- *Dynamic Positioning of Vessels in a Sea Way to enable Station Keeping*
- *Tension Sensing*
- *Situational Awareness*
- *Distance Sensing*
- *Load Position/ Dynamics Sensing*
- *Positive Load Control*
- *Autonomous Connection Technologies*

- *Energy Storage*

It is anticipated that the results and reports delivered from awards under this Announcement will be made available to the public no later than 6 months after the expiration of any effort resulting from this BAA (the Navy shall pursue release of the results as soon as available). In anticipation of public release, ONR requests that all reports and data delivered under this effort be unclassified and non-proprietary (exceptions will be handled in accordance with the prescribed markings or classification).

The existing naval systems include Connected Replenishment (CONREP) and Vertical Replenishment (VERTREP). The focus of this Announcement is CONREP including Standard Tensioned Replenishment Alongside Method (STREAM) and skin-to-skin variants of CONREP.

The US Navy defines standard sea states by a range of modal periods and wave heights. For reference, sea states 3 and 5 are defined in the table below for a fully arisen sea. Note that the significant wave height is defined as the average of the one-third highest waves.

	Sea State 3	Sea State 5
Average 1/10 Highest Waves	4.2'-5.8'	10'-16'
Significant Wave Height	3.3'-4.6'	8'-12'
Average Wave Height	2.0'-2.9'	5'-7.9'
Average Wave Period	4.0-4.6 sec.	5.7-6.8 sec.
Average Wave Length	59'-71'	111'-160'
Wind Velocity	14-16 knots	20-24 knots
Description	Small waves, becoming larger; fairly frequent white horses.	Large waves begin to form; the white foam crests are more extensive everywhere. (Probably some spray.)

STREAM CONREP requires that specially equipped ships send a tensioned wire rope across to ships fitted with standard Navy receiving stations. The wire is tensioned to keep the load above the wave tops and the ships are operated to maintain a nearly constant separations distance, counteracting the tension forces by maintaining a small angle of attack. Currently, this replenishment technique can be used to transfer loads of up to 5700 lbs. (Sea State (SS) 5) and 10,000 lbs. (SS 3) between ships stationed up to 200 feet apart achieving, in SS 5, a throughput of 35 short tons (st)/hr./rig, or 25 lifts/hr./rig. Goals for this Announcement are to enable ship-to-ship transfers of 12,000 lbs. (SS5) lbs between ships stationed up to 300 feet apart achieving a throughput of 70 st/hr/rig or 50 lifts/hr/rig.

A less common method of material transfer is skin to skin replenishment. In this method, one ship deploys fenders and the two ships are moored together. Cranes can be used to transfer materials between the two ships, or ramps. This is presently accomplished at-anchor. This capability is severely limited by sea state conditions. Current capabilities include the transfer of filled standard International Standards Organization (ISO) containers between moored vessels in SS3. Goals for this Announcement will be to

develop a capability for skin-to-skin transfer that will enable the transfer of materials, such as standard ISO containers, while underway in SS 4+ or greater.

ONR is soliciting technical proposals that will materially enhance existing USN/USMC CONREP capabilities. This Announcement is intended to place particular emphasis on enabling improvements in the skin-to-skin variant; however, offerors may propose team efforts in a single technology area or team proposals across multiple technology areas. Technology Developers must describe the schedule of incremental products they expect to produce for integration and the integration approach they would pursue to demonstrate a capability.

Three contract awards are anticipated, each with a 6 month period of performance. The work will include engineering and system analyses of the technologies that are proposed. Anticipated report deliverables are outlined in Section VI of this Announcement. In addition to the report deliverables, the Government would anticipate a small scale demonstration of the proposed technical approach and/or capability (via software modeling application, etc) as part of the statement of work.

Offerors may submit proposals that relate to the development of any aspect of an enhanced CONREP; however, they are encouraged to focus on the development of a skin-to-skin material transfer capability which could be demonstrated at the end of a 3 year development effort. This effort would begin at the conclusion of the initial 6 month period of performance. Shortly after the completion of the BAA efforts described herein, ONR anticipates to issue a follow-on Request for Proposals (RFP) that will culminate in the development and demonstration of an ONR HiCASS system. Awardees from this present BAA will not be given preferential consideration in the selection process of this follow-on RFP, but may bid on that effort using the results developed in the course of their prior effort.

Offerors are required to explicitly identify success criteria (a.k.a. Exit Criteria) for their proposed effort and relate those criteria to ship-to-ship transfer capability as a function of throughput, lbs lift, ship separation, and SS. Evaluation in terms of transition potential to legacy Fleet platforms and especially the MPPF(F), however, is a unique aspect of this BAA that any offeror should consider.

7. Point(s) of Contact -

Science and Technology Point of Contact:

Questions of a technical nature shall be directed to the cognizant Technical Points of Contact, as specified below:

Science and Technology Point of Contact:

Dr. Geoffrey Main
Deputy Program Manager

ExLog FNC
Code ONR334
Office of Naval Research
Phone: (703) 696-1180
Email Address: Geoffrey_Main@onr.navy.mil

Mr. Ed Crawford
Product Line Manager – High Capacity At-Sea Transfer
ExLog FNC
Code ONR36a
Office of Naval Research
Phone: (703) 588-0061
Email Address: Edward_Crawford@onr.navy.mil

Questions of a contractual or business nature shall be directed to the cognizant Contract Specialist, as specified below (*Note – Email is strongly preferred*):

Business Point of Contact:

Keith Strohman
Senior Contract Specialist
Contract & Grant Awards, Management
Code ONR 0253
Office of Naval Research
Phone: (703) 696-3475
Email Address: Keith_Strohman@onr.navy.mil

8. Instrument Type(s) -

It is anticipated that all awards resulting from this Announcement will be contracts. However, the Government reserves the right to award grants, cooperative agreements, or other transactions agreements to appropriate parties, should the situation warrant the use of a non-contractual agreement.

9. Catalog of Federal Domestic Assistance (CFDA) Numbers -

12.300 Basic and Applied Scientific Research-ONR

10. Catalog of Federal Domestic Assistance (CFDA) Titles -

DOD Basic and Applied Scientific Research

11. Additional Information -

BACKGROUND

The Sea Power 21 concept relies on 4 pillars – Sea Strike, Sea Shield, Sea Basing, and FORCENET. The focus of the ExLog FNC is enabling Sea Basing. The fundamental shift from using host nations or captured land bases for USMC logistics bases to doing the bulk of the USMC logistics at sea is one of the biggest challenges that flow from Sea Power 21.

The USMC Ship to Objective Maneuver (STOM), Operational Maneuver from the Sea (OMFTS), and Expeditionary Maneuver Warfare (EMW) future doctrine all emphasize mobility of forces on the sea, from the sea, and on the land. The significant emphasis on mobility requires the logistics tail that must maneuver ashore to be reduced. In order to achieve the vision, USMC logistics must be delivered reliably, responsively, and directly to the employed units requiring the items with the minimum footprint ashore.

These requirements pose three very significant challenges. First, the logistics chain must be capable of a substantial throughput rate. The current estimates are that in a high-intensity environment, the USMC Sea Based Echelon and support units will require on the order of 1,000 short-tons of logistics daily. This is roughly the equivalent of sixty-one 20-foot ISO containers daily.

Second, the logistics chain must be responsive. The Sea Based logisticians will utilize demand forecasting to anticipate demand and push fuel, water, Meals Ready to Eat (MREs), and spare parts to units to reduce the logistics load on those units. However, ordnance demand will vary radically depending on events of a given day, and other emergent demands may not have been anticipated. The logistics chain must be capable of responding promptly and effectively to meet these demands. If it cannot, the maneuver units will be forced to drag additional just-in-case logistics along.

Third, the logistics chain must provide reliable delivery of materials. Failures of the logistics chain due to supplier issues, transportation disruptions, weather, equipment failure, etc. can result in the maneuver units' distrust of the system. This leads to additional just-in-case logistics tails ashore with their inherent drag on the desired mobility.

This BAA intends to address all of these issues, but primarily issues 1 and 3. With respect to throughput capacity, this BAA focuses on concepts to increase both the single lift capacity for ship / platform to ship / platform transfer as well as the tons per hour transfer rate. With respect to delivery reliability, this BAA focuses on concepts to reduce the sensitivity of the at-sea transfer systems to weather, especially sea state.

II. AWARD INFORMATION

1. Overview -

ONR is seeking participants for this program that are capable of developing and demonstrating unique technological solutions to support the capabilities required to achieve the goals described in this Announcement. Offerors have the opportunity to be creative in the selection of the technical and management processes, either commercial or DoD practices, that best suit their approach. This acquisition does not meet the requirement for use of a Section 845 other transaction. Proposals submitted by a consortium or team require Articles of Collaboration signed by all members prior to execution of the contract. The Articles shall define the interaction and commitment of the proposed partners.

2. Anticipated Award Information is as follows:

- *Total Amount of Funding Available through Announcement: \$3M (FY04)
- *Anticipated Number of Awards: ONR anticipates that funding will be available to make up to three (3) awards.
- *Anticipated Award Types: Anticipate awarding CPFF contracts
- *Anticipated Range of Individual Award Amounts: \$750,000 to \$1,000,000
- *Anticipated Period of Performance for Awards: 6 months

Note- ONR reserves the right to award different numbers, types, amounts, or periods of performance under awards selected through this Announcement, if it is in the best interest of the Government.

III. ELIGIBILITY INFORMATION

All responsible sources may submit a proposal, which shall be considered by the Agency. Historically Black Colleges and Universities (HBCU) and Minority Institutions (MI) are encouraged to submit proposals and join others in submitting proposals; however, no portion of this BAA will be set aside for HBCU and MI participation due to the impracticality of reserving discrete or severable areas of this technology for exclusive competition among these entities.

Foreign-owned and based firms will be considered for award under this Announcement in accordance with FAR 25, FAR 35, and DFARS 225. Foreign offerors, or proposed Foreign team or subcontract participants, must consider and address, in writing, any and all relevant import or export rules, regulations, law, and guidance (i.e., FAR, DFARS, ITAR, etc.) that may impact the offeror's ability to perform the required effort.

Independent organizations and teams are encouraged to submit proposals in any or all areas. However, Offerors must be willing to cooperate and exchange software, data and other information in an integrated program with other contractors, as well as with system integrators selected by ONR.

A separate program announcement will be released under which Government Entities and Federal Funded Research and Development Centers (FFRDCs) will be able to submit prime proposals for a share of the anticipated program funds. However, for the purposes of this requirement, please note that Government Entities are encouraged to participate in industry-led teams under this BAA and team with other public or private organizations, as appropriate. Federal Funded Research and Development Centers (FFRDCs) may also participate in teams under this BAA, unless otherwise restricted under its agreements with sponsoring agencies.

IV. APPLICATION AND SUBMISSION INFORMATION

1. Pre-proposal Conference/Industry Day– The "High Capacity At-Sea Transfer of Materials, Personnel, and Equipment" conducted an unclassified briefing for potential Offerors on 23 October 2003 in Arlington, VA. The purpose of the meeting was to provide potential Offerors with a better understanding of the "High Capacity At-Sea Transfer of Materials, Personnel, and Equipment". The presentations from the briefing are available on the ONR Web Site at:

<http://www.onr.navy.mil/explog/explog/events/hicassagenda.asp>

Additional information may be posted to the site as it becomes available.

2. Content and Format of Proposals -

The due date for receipt of Proposals is 3 p.m. (Eastern Standard Time) on 01/09/2004. It is anticipated that final selections will be made on or around 02/15/2004. As soon as the final proposal evaluation process is completed, each Offeror will be notified via email of its selection or non-selection for an award under the Announcement. Proposals exceeding the page limit may not be evaluated.

The Proposals submitted under this BAA are expected to be UNCLASSIFIED. The Proposal submissions will be protected from unauthorized disclosure in accordance with FAR 15.207, applicable law, and DoD/DoN regulations. Offerors are expected to appropriately mark each page of their submission that contains proprietary information.

3. Full Proposal Format – Volume 1 - Technical and Volume 2 - Cost Proposal

- Paper Size – 8.5 x 11 inch paper
- Margins – 1” inch
- Spacing – double-spaced
- Font – Times New Roman, 12 point
- Number of Pages – Volume 1 is limited to no more than 35 pages. Volume 2 is limited to no more than 35 pages. Limitations within sections of the proposal are indicated in the individual descriptions shown below. Full Proposals exceeding the page limit may not be evaluated.

- Copies – one (1) original, one (1) copy and one electronic copy on a 3.5” Diskette or CD-ROM, (in Microsoft® Word or Excel 97 compatible or .PDF format).

4. Full Proposal Content

Volume 1: Technical Proposal

Each section of the Technical Proposal must start on a new page.

- **Cover Page:** (Not included in page limitations.) This must include the words “Technical Proposal”, contact information as described below, and the following:
 - 1) BAA number;
 - 2) Title of Proposal;
 - 3) Identity of prime Offeror and complete list of subcontractors, if applicable;
 - 4) Technical contact (name, address, phone/fax, electronic mail address)
 - 5) Administrative/business contact (name, address, phone/fax, electronic mail address) with signature of Authorized Representative and;
 - 6) Duration of effort (differentiate basic effort and options)
- **Table of Contents:** (Not included in page limitations.)
- **Description of the Technology Concept:** A description of the effort that articulates an understanding of the problem and the enabling technology concept that will be used to solve the problem. The unique Science and Technology (S&T) required to solve the problem shall be articulated along with the functionality and performance parameters that the enabling technologies will provide within the overall concept.
- **Statement of Work:** (5 pages maximum) A concise Statement of Work (SOW) clearly detailing the scope and objectives of the effort and the technical approach. It is anticipated that the proposed SOW will be incorporated as an Attachment to the resultant award instrument. To this end, such proposals must include a severable self-standing SOW without any proprietary restrictions, which can be attached to the contract or agreement award. Include a detailed listing of the technical tasks/subtasks organized by year.
- **Project Schedule and Milestones:** (1 page, fold out material on larger paper size may be used if required for sketches, illustrations, or graphics with a typeface of 12-point font.) A summary of the schedule of events and milestones.
- **Assertion of Data Rights:** (1 page). Include here a summary of any proprietary rights to pre-existing results, prototypes, or systems supporting

and/or necessary for the use of the research, results, and/or prototype. Format for data rights identification and assertion of use, release or disclosure restrictions should be done in accordance with DFARS 252.227-7017. Any rights claimed in other parts of the proposal that would impact the rights in this section must be cross-referenced. If there are proprietary rights, the Offeror must explain how these affect its ability to deliver subsystems and toolkits for integration. Additionally, Offerors must explain how the program goals are achievable in light of these proprietary and/or restrictive limitations. If there are no claims of proprietary rights in pre-existing data, this section shall consist of a statement to that effect.

- **Government Furnished Information or Property:** (1 page). Include a summary of all Government Furnished Information (GFI) or Government Furnished Property that is required to accomplish the proposed research and development effort. Indicate the period of time in which the GFI or GFP is required.
- **Deliverables:** A detailed description of the results and products to be delivered. It is anticipated that the proposed deliverables will be incorporated into the resultant award instrument. To this end, proposals shall include a self-standing deliverable list without any proprietary restrictions, which can be used in the contract or agreement award.
- **Management Approach:** (5 pages maximum) A discussion of the overall approach to the management of this effort, including brief discussions of the total organization, use of personnel, project/function/subcontractor relationships, government research interfaces, and planning, scheduling and control practice. Identify which personnel and subcontractors (if any) will be involved. Include a description of the facilities that are required for the proposed effort with a description of any Government Furnished Equipment/Hardware/Software/Information required, by version and/or configuration.
- **Resumes:** (5 pages maximum) A description of key personnel who will be used in this effort.

VOLUME 2: Cost Proposal

The Cost Proposal shall consist of a cover page and two parts; Part 1 will provide a detailed cost breakdown of all costs by cost category by calendar/fiscal year and Part 2 will provide a cost breakdown by task/sub-task using the same task numbers in the Statement of Work.

Cover Page: The words “Cost Proposal” should appear on the cover page in addition to the following information:

- BAA number;
- Title of Proposal;
- Identity of prime Offeror and complete list of subcontractors, if applicable;
- Technical contact (name, address, phone/fax, electronic mail address)
- Administrative/business contact (name, address, phone/fax, electronic mail address) with signature of authorized representative and;
- Duration of effort
- Summary statement of proposed costs
- DCAA and DCMA Points of Contact (if known)

Part 1: Detailed breakdown of all costs by cost category by calendar/fiscal year:

- Direct Labor – Individual labor category or person, with associated labor hours and unburdened direct labor rates;
- Indirect Costs – Fringe Benefits, Overhead, G&A, COM, etc. (Must show base amount and rate)
- Proposed contractor-acquired equipment such as computer hardware for proposed research projects should be specifically itemized with costs or estimated costs. An explanation of any estimating factors, including their derivation and application, shall be provided. Please include a brief description of the Offeror's procurement method to be used;
- Travel – Number of trips, number of days per trip, departure and arrival destinations, number of people, etc;
- Subcontract – A cost proposal as detailed as the Offeror's cost proposal will be required to be submitted by the subcontractor. The subcontractor's cost proposal can be provided in a sealed envelope with the Offeror's cost proposal or will be requested from the subcontractor at a later date;
- Consultant – Provide consultant agreement or other document which verifies the proposed loaded daily/hourly rate;
- Materials should be specifically itemized with costs or estimated costs. An explanation of any estimating factors, including their derivation and application, shall be provided. Please include a brief description of the Offeror's procurement method to be used;
- Other Directs Costs and;
- Fee/Profit including fee percentage.

Part 2: Cost breakdown by task/sub-task using the same task numbers in the Statement of Work.

5. Significant Dates and Times -

Anticipated Schedule of Events *		
Event	Date (MM/DD/YEAR)	Time (Eastern Standard Time)
Conference/Industry Day	10/23/2003	COMPLETED
Full Proposals Due Date	01/09/2004	1500
Notification of Selection for Award	02/15/2004	
Contract Awards	March 2004	

***Future dates are estimates as of the date of this Announcement.**

6. Submission of Late Proposals –

Any proposal, modification, or revision, that is received at the designated Government office after the exact time specified for receipt of proposals is “late” and will not be considered unless it is received before award is made, the contracting officer determines that accepting the late proposal would not unduly delay the acquisition and:

- (a) If it was transmitted through an electronic commerce method authorized by the Announcement, it was received at the initial point of entry to the Government infrastructure not later than 5:00 p.m. one working day prior to the date specified for receipt of proposals; or
- (b) There is acceptable evidence to establish that it was received at the Government installation designated for receipt of proposals and was under the Government’s control prior to the time set for receipt of proposals; or
- (c) It was the only proposal received.

However, a late modification of an otherwise successful proposal, that makes its terms more favorable to the Government, will be considered at any time it is received and may be accepted.

Acceptable evidence to establish the time or receipt at the Government installation includes the time/date stamp of that installation on the proposal wrapper, other documentary evidence of receipt maintained by the installation, or oral testimony or statements of Government personnel.

If an emergency or unanticipated event interrupts normal Government processes so that proposals cannot be received at the Government office designated for receipt of proposals by the exact time specified in the Announcement, and urgent Government requirements preclude amendment of the Announcement closing date, the time specified for receipt of proposals will be deemed to be extend to the same time of day specified in the Announcement on the first work day on which normal Government processes resume.

The contracting officer must promptly notify any offeror if its proposal, modifications, or revision was received late, and must inform the offeror whether its proposal will be considered.

7. Address for the Submission of Full Proposals –

Keith Strohman
Senior Contract Specialist
Contract & Grant Awards, Management
Code ONR 0253
Office of Naval Research
Phone: (703) 696-3475
Email Address: Keith_Strohman@onr.navy.mil

NOTE: PROPOSALS SENT BY FAX OR E-MAIL WILL NOT BE CONSIDERED.

V. EVALUATION INFORMATION

1. Evaluation Criteria –

The following evaluation criteria apply to the Proposals. Proposals will be selected through a technical/scientific/cost decision process with technical and scientific considerations being most important. Evaluation Criteria A-E are listed in descending order of priority. Any sub criteria listed under a particular criterion are of equal importance to each other.

A. Scientific and Technical Merit of the Submission, which includes:

1. The degree of innovation
2. Soundness of technical concept
3. The offeror's awareness of the state-of-the-art and understanding of the scope of the problem and technical effort needed to address it.

B. Transition potential of the Technology Concept: Any award that results from this Announcement must have a high likelihood of transitioning to the Navy/Marine Corps material acquisition system and ultimately to the fleet. Submissions judged to have little transition potential will be judged non-responsive. All submissions will be evaluated in terms of their transition potential.

C. Potential Naval relevance and contributions of the effort on the HiCASS mission: Baseline parameters for the HiCASS mission are outlined in this Announcement and supporting materials. Submissions will be evaluated in terms of their impact on that mission. All submissions will be evaluated in terms of their impact on the HiCASS mission.

D. Offeror's Capabilities, which include;

1. Related experience and past performance
2. Qualifications, capabilities and experience of the proposed principal investigator and key personnel
3. The offeror's corporate experience.

4. Demonstrated ability to manage similar projects.

E. Cost Submission will be evaluated in terms of:

1. Their cost realism for facilities and staffing
2. Total costs relative to benefits
3. Documented cost control and monitoring systems that will be used to monitor and coordinate the proposed effort.

Note: In the above, “offeror” includes the principal offeror or, if teamed, the proposed team. Moreover, the principal investigator and other key individuals and facilities proposed for this effort must actually be available to work on this effort in the manner proposed. Substitutions of key personnel and facilities will require Government approval.

Industry-Government/Industry/Academia Partnering – ONR highly encourages partnering among industry and Government and/or academia with a view toward speeding the incorporation of new science and technology into fielded systems. Proposals that utilize Industry-Government or Industry-Academia partnering which enhances the development of novel S&T advances will be given favorable consideration. In evaluating teams under this BAA, it should be noted that, all other factors equal, ONR would favor an industry-led team approach to meet the stated requirement.

For proposed awards to be made as contracts to large businesses, the socio-economic merits of each proposal will be evaluated based on the extent of the Offeror’s commitment in providing meaningful subcontracting opportunities for small businesses, HUBZone small businesses, small disadvantaged businesses, woman-owned small businesses, veteran-owned small businesses, service disabled veteran-owned small business, historically black colleges and universities, and minority institutions.

2. Evaluation Panel -

The evaluation of proposals will be performed by an Evaluation Team of government technical experts drawn from the Office of Naval Research, the naval systems commands, Navy warfare centers, the Naval Research Laboratory (NRL), and other Naval and Defense activities/agencies. The Government may also use selected support Contractor personnel to advise or assist in the evaluation and administrative functions of any proposals ensuing from this Announcement. These support Contractors will be bound by appropriate non-disclosure agreements to protect proprietary and source-selection information.

VI. AWARD ADMINISTRATION INFORMATION

1. Administrative Requirements –

- The North American Industry Classification System (NAICS) code - The North American Industry Classification System (NAICS) code for this Announcement is 541710 with a small business size standard of 500 employees.
- CCR - Successful Offerors not already registered in the Central Contractor Registry (CCR) will be required to register in CCR prior to award of any grant, contract, cooperative agreement, or other transaction agreement. Information on CCR registration is available at <http://www.onr.navy.mil/02/ccr.htm>.
- Certifications – Proposals must be accompanied by a completed certification package which can be accessed on the ONR Home Page at Contracts & Grants. For grant proposals and proposals for cooperative agreements or other transaction agreements (other than for prototypes), the certification package is entitled "Certifications for Grants and Agreements" and can be located at: <http://www.onr.navy.mil/02/repcert.htm>. For contract proposals and for other transaction proposals involving prototypes (Section 845 agreements), the certification package is entitled "Representations and Certifications for Contracts" and can also be located at: <http://www.onr.navy.mil/02/repcert.htm>
- Subcontracting Plans - Successful contract proposals that exceed \$500,000, submitted by all but small business concerns, will be required to submit a Small Business Subcontracting Plan in accordance with FAR 52.219-9, prior to award.

2. Reporting -

The following deliverables, in contractor format, are anticipated as necessary. However, specific deliverables should be proposed by each Offeror and finalized with the contracting agent:

- Detailed Project Plan
- Monthly Technical and Financial Progress Reports
- Presentation Material
- Concept Feasibility Report
- Other Documents or Reports
- Final Report

Detailed Project Plan: Within thirty days after contract award, each selected Contractor will submit a Detailed Project Plan. This Plan shall include a Work Breakdown Structure (WBS) in Microsoft Project that provides a clear description of the work to be performed under the S&T effort. The Plan shall be in sufficient detail to identify a traceable monthly event to permit objective assessment of progress [i.e., quantifiable metrics]

and/or demonstrations and events] and allow an earned value type analysis. The plan shall address Exit Criteria. Exit Criteria are a complete listing of performance parameters and conditions of measurement. Risk Management shall be addressed in the Plan. Risk reductions plans shall be addressed and Fallback technologies for higher risk areas discussed. Fallback technologies may require modifications to the Exit Criteria.

VII. OTHER INFORMATION

1. Government Facilities

Offerors are expected to provide all facilities (equipment and/or real property) necessary for the performance of the proposed effort. Any direct charge of facilities, not including deliverable items, must be specifically identified in the Offeror's proposal and approved by the Government prior to contracting. In addition, any request to use Government owned facilities must be included in the Offeror's proposal and approved in advance by the cognizant Government official.

2. Security Classification

In order to facilitate intra-program collaboration and technology transfer, the Government will attempt to enable technology developers to work at the UNCLASSIFIED level to the maximum extent possible. Integrators and Experiment Planners will likely be required to work at the unclassified level.

If developers use unclassified data in their deliveries and demonstrations regarding a potential classified project, they should use methods and conventions consistent with those used in classified environments. Such conventions will permit the various subsystems and the final system to be more adaptable in accommodating classified data in the transition system.

3. Project Meetings & Reviews

Program status reviews may also be held to provide a forum for reviews of the latest results from experiments and any other incremental progress towards the major demonstrations. These meetings will be held at various sites throughout the country. For costing purposes, Offerors should assume that 40% of these meetings will be at or near ONR, Arlington VA and 60% at other contractor or government facilities. Interim meetings are likely, but these will be accomplished via video telephone conferences, telephone conferences, or via web-based collaboration tools.

4. Department of Defense High Performance Computing Program

The DoD High Performance Computing Program (HPCMP) furnishes the DoD S & T and DT & E communities with use-access to very powerful high performance computing systems. Awardees of ONR contracts, grants, and assistance instruments may be eligible to use HPCMP assets in support of their funded activities if ONR Program Officer

approval is obtained and if security/screening requirements are favorably completed.
Additional information and an application may be found at <http://www.hpcmo.hpc.mil/>.